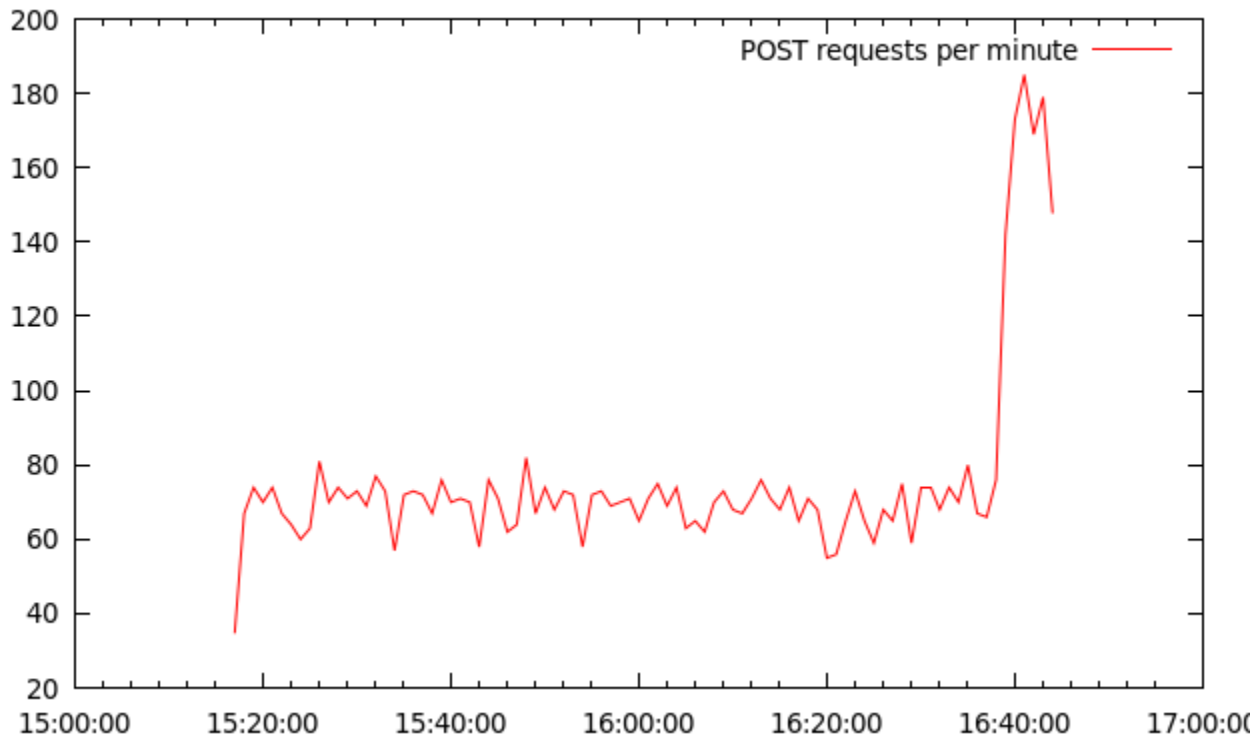


How to plot OPeNDAP requests per minute

Follow these instructions to make a nice graph showing how many OPeNDAP HTTP requests are handled per minute. This can give us an idea of how well the server is performing.



Step-by-step guide

1. Locate the Tomcat access log for the date/time range you wish to plot. On dataserver2 the log files are located at: `/usr/local/apache-tomcat-7.0.41/logs/localhost_access_log.[date].txt`
2. If desired, extract a subset of this file. For example maybe you only want to include HTTP requests made during a test run, or only requests made from a specific host, etc.
3. Extract only the OPeNDAP POST requests into a separate file: `% grep "POST /opendap" localhost_access_log_2014_07_25.txt > opendap_posts.txt`

You may also want to exclude unsuccessful requests (i.e. response other than 200 OK), which can be done with: `grep -e 'POST /opendap.*HTTP/1.1" 200 ' accesspost.txt`

4. Create a file containing the number of POST requests per minute: `% cat opendap_posts.txt | cut -c33-37 | uniq -c > posts`
 - The format must be: `count HH:MM`
5. Create a plot using gnuplot software:

• gnuplot commands

```
gnuplot> set xdata time
gnuplot> set timefmt "%H:%M"
gnuplot> set xtics 1200
gnuplot> set linestyle 1 lt 1 lc 7
gnuplot> plot "posts" using 2:1 with lines title "POST requests
per minute"
```

6. The plot can then be saved to the clipboard and pasted into an image program such as gimp.

Related articles

- [How to setup & run a MIIC OPeNDAP Server](#)
- [How to build the MIIC OPeNDAP plugin](#)
- [How to debug OPeNDAP SSFs](#)
- [How to Profile OPeNDAP Server](#)
- [How to plot OPeNDAP requests per minute](#)